

इंटरनेट

मानक

### Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

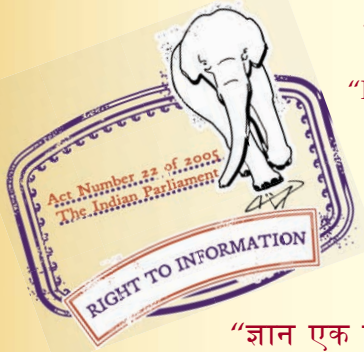
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 4787 (1968): Table, Examination [MHD 12: Hospital Equipment]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



BLANK PAGE



**IS : 4787 - 1968**  
**( Reaffirmed 1996 )**

*Indian Standard*  
**SPECIFICATION FOR**  
**TABLE, EXAMINATION**  
**( Fourth Reprint JANUARY 2001 )**

UDC 615.478.62

© *Copyright* 1968

**BUREAU OF INDIAN STANDARDS**  
**MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG**  
**NEW DELHI 110002**

**Gr 2**

*December* 1968

**AMENDMENT NO. 1 JANUARY 1996**  
**TO**  
**IS 4787 : 1968 SPECIFICATION FOR TABLE,**  
**EXAMINATION**

( *Page 4, clause 3.2* ) — Substitute the following for the existing clause:

**'3.2 Top** — The minimum thickness of the metal sheet used for top shall be 1.2 mm in case of mild steel or 1 mm in case of stainless steel. If top is superimposed by stainless steel, then the minimum thickness of stainless steel shall be 0.5 mm over a mild steel sheet of 0.8 mm thickness.'

( *Page 5, Fig. 1* ) — Add the following note below Fig. 1:

“Details given at section 'XX' and 'CC' are optional ”

# *Indian Standard*

## SPECIFICATION FOR TABLE, EXAMINATION

Hospital Equipment Sectional Committee, CPDC 14

*Chairman*

SHRI A. S. BHATHENA

*Representing*

National Steel Equipment Co, Bombay

*Members*

SHRI DARAYUS A. BHATHENA ( <i>Alternate to</i> Shri A. S. Bhathena )	
SHRI G. BHATTACHARYA	Adair Dutt & Co ( India ) Pvt Ltd, Calcutta
SHRI D. LAHIRI ( <i>Alternate</i> )	
SHRI G. B. JAKHETIA	Office of the Development Commissioner, Small Scale Industries, New Delhi
SHRI V. S. KALBAG	Tempo Industrial Corporation, Bombay
SHRI V. KRISHNAMOORTHY	Directorate General of Technical Development, New Delhi
SHRI S. S. MOTAFRAM	Elpro International Ltd, Chinchwad
SHRI P. K. PRADHAN ( <i>Alternate</i> )	
SHRI M. G. PANDIT	Directorate General of Health Services ( Ministry of Health, Family Planning & Urban Development )
DR A. RAMDAS	Railway Board ( Ministry of Railways )
MAJ V. P. SETHI	Office of Director General Armed Forces Medical Service ( Ministry of Defence )
MAJ SOHAN SINGH	Department of Defence Production [ Ministry of Defence ( DGI ) ]
SHRI K. L. TALWAR	Chief Inspectorate of General Stores [ Ministry of Defence ( DGI ) ], Kanpur
SHRI R. N. VIG	ULTRADENT Private Ltd, Bombay
SHRI D. N. VIG ( <i>Alternate</i> )	
SHRI A. B. RAO, Director ( Consr Prod )	Director General, BIS ( <i>Ex-officio Member</i> )

*Secretary*

SHRI R. I. MIDHA

Deputy Director ( Consr Prod ), BIS

Hospital Furniture Subcommittee, CPDC 14: 1

*Convener*

DR A. RAMDAS

Railway Board ( Ministry of Railways )

*Members*

SHRI B. L. ARORA

India Medico Instruments, Delhi

( Continued on page 2 )

BUREAU OF INDIAN STANDARDS  
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

**IS:4787-1968**

(Continued from page 1)

<i>Members</i>	<i>Representing</i>
<b>SRI S. BALASUNDER</b>	Department of Industries & Commerce, Government of Madras
<b>SRI A. S. BHATHENA</b>	National Steel Equipment Co, Bombay
<b>SRI DABAYUS A. BHATHENA</b> ( <i>Alternate</i> )	
<b>SRI R. C. JAIN</b>	General Trades Agencies, Delhi
<b>SRI G. B. JAKHETIA</b>	Office of the Development Commissioner, Small Scale Industries, New Delhi
<b>SRI A. J. MEHTA</b>	Janak Manufacturing Works, Bombay
<b>SRI G. MORLEY</b>	Spencer & Co Ltd, Madras
<b>SRI M. G. PANDIT</b>	Directorate General of Health Services (Ministry of Health, Family Planning & Urban Development)
<b>SRI P. G. SALGAONKAR</b>	New Haven Steel Ball Corporation Pvt Ltd, Bombay
<b>SRI E. A. SHAIKH</b>	Special Equipment Co, Bombay
<b>SRI A. H. SHAIKH</b> ( <i>Alternate</i> )	
<b>SRI AMRIT LAL VIG</b>	Imperial Surgico Industries, Lucknow

# *Indian Standard*

## SPECIFICATION FOR TABLE, EXAMINATION

### 0. FOREWORD

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 18 October 1968, after the draft finalized by the Hospital Equipment Sectional Committee had been approved by the Consumer Products Division Council.

**0.2** The formulation of Indian Standards on hospital equipment has been taken up at the instance of the Advisory Committee for Development of Surgical Instruments, Equipment and Appliances, Government of India.

**0.3** This standard forms one of a series of Indian Standards on hospital furniture. Other standards in the series are:

IS: 4033-1968 General requirements for hospital furniture

IS: 4034-1968 Castors for hospital equipment

IS: 4035-1967 Trolleys, stretcher

IS: 4036-1967 Trolleys, patient

IS: 4037-1967 Stretcher and stretcher carriers

IS: 4266-1967 Lockers, bedside for hospital use

IS: 4267-1967 Stands, wash hand basin

IS: 4455-1967 Trolleys, soiled linen

IS: 4458-1967 Screens, bedside

IS: 4494-1968 Tables, overbed

IS: 4769-1968 Trolley, dressing

**0.4** IS: 4033-1968\* is a necessary adjunct to this standard.

**0.5** Clause 5.1 calls for an agreement between the purchaser and the supplier.

**0.6** For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS: 2-1960†. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

---

\*General requirements for hospital furniture.

†Rules for rounding off numerical values (*revised*).



## 1. SCOPE

**1.1** This standard specifies the requirements of examination tables used in hospitals and other similar institutions.

## 2. TERMINOLOGY

**2.0** For the purpose of this standard the definition given in 2.1 shall apply.

**2.1 Table, Examination** — Table used for the purpose of examination of patients in the consulting rooms, clinics and side-rooms of hospital wards.

## 3. MATERIALS

**3.1 Framework** — This shall be according to 2.1 of IS : 4033-1968\*.

**3.2 Top** — This shall conform to 2.2(a) of IS : 4033-1968\*.

**3.3 Rods, Channels and Strips** — These shall be of mild steel, either cold-rolled or hot-rolled quality.

## 4. DIMENSIONS

**4.1** The main dimensions of examination table shall be as given in Fig. 1.

**4.2** The thickness of tubes used and their corresponding outside diameters for different parts shall be as given below:

<i>Part</i>	<i>Outside Diameter of Tube</i>	<i>Thickness of Tube</i>
	mm	mm
Vertical members	31.75	1.02
Horizontal members	25.40	

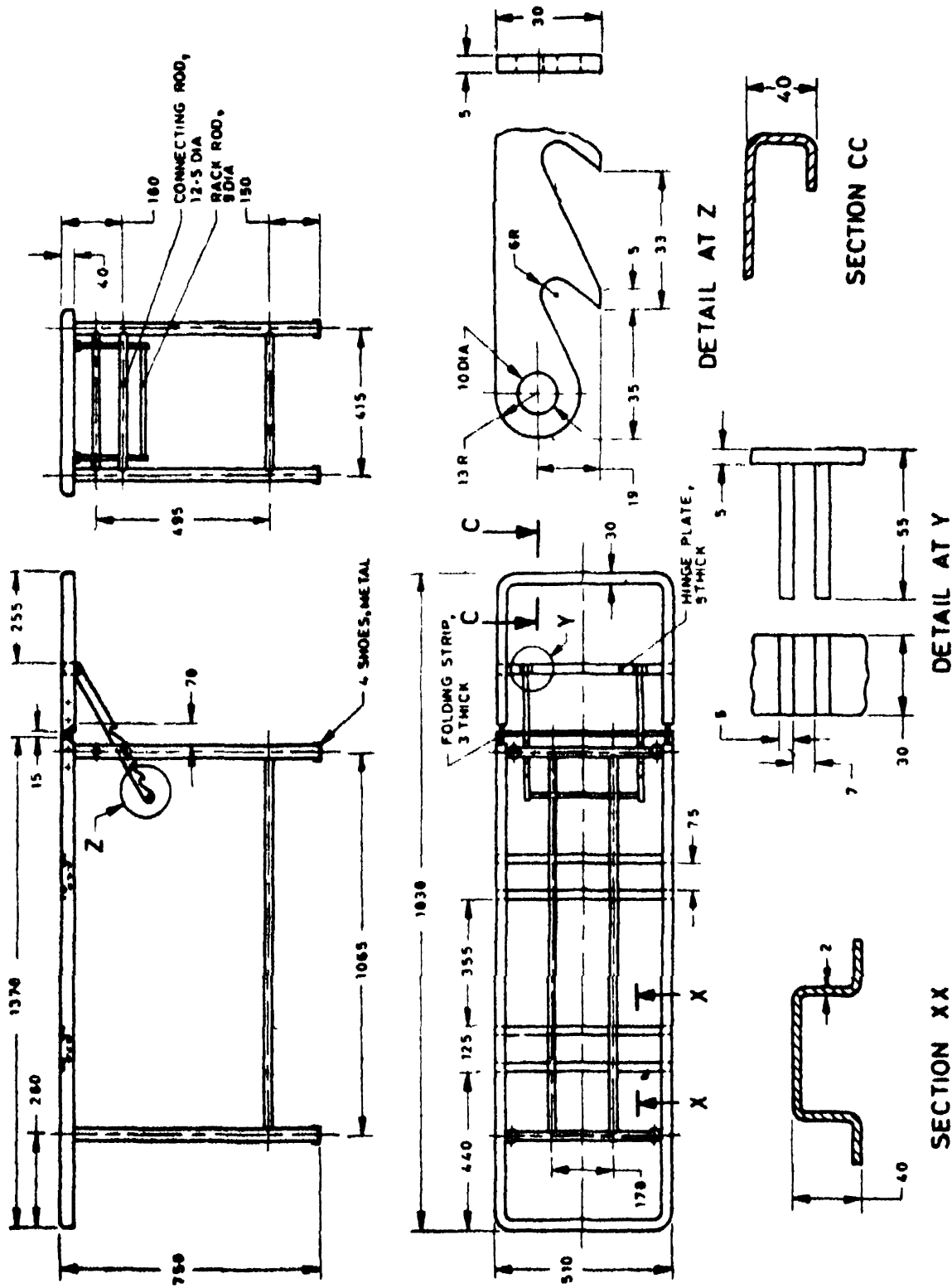
**4.3** The mild steel sheet used for top and head rest shall have a minimum thickness of 1.22 mm.

## 5. MANUFACTURE

**5.1 Framework** — The examination table shall have a framework of single continuous lengths of mild steel tubes as shown in Fig. 1. At the floor end, the four upright members shall be connected together by longitudinal and transverse tie rods and at the other end these shall support a formed sheet metal top. For receiving the sheet metal top, the top ends of the uprights shall be flattened and thereafter welded to the top. Any other arrangement of fixing the sheet metal top to the framework shall be agreed to by the purchaser and the manufacturer, but in either case the top so obtained shall be sturdy in construction. The head rest shall have the same construction as the top and it shall be adjustable on a rack for obtaining

---

\*General requirements for hospital furniture.



All dimensions in millimetres.  
 FIG. 1 TABLE, EXAMINATION

## **IS : 4787 - 1968**

various positions. The floor ends of the upright members or legs shall be fitted with metal shoes. The rest of the details shall be according to 4 of IS : 4033-1968\*.

### **6. FINISH**

**6.1** The requirements as specified in 5 of IS : 4033-1968\* shall apply.

### **7. TESTS**

**7.1 Adhesion Test** — This shall conform to 6.1.1 of IS : 4033-1968\*.

**7.2 Performance Test** — The head rest shall stand the test given in 7.2.1 in various positions obtained by adjusting the rack.

**7.2.1** In any position of head rest, with a load of 25 kgf spread over the entire width of head rest, there shall be no excessive sideways play and also the head rest shall be stable.

### **8. MARKING**

**8.1** The marking shall be as specified in 7 of IS : 4033-1968\*.

### **9. PACKING**

**9.1** The packing shall be as specified in 8 of IS : 4033-1968\*.

---

\*General requirements for hospital furniture.

# BUREAU OF INDIAN STANDARDS

## Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, NEW DELHI 110002

Telephones. 323 0131, 323 3375, 323 9402

Fax . 91 11 3234062, 91 11 3239399, 91 11 3239382

Telegrams Manaksanstha  
(Common to all Offices)

## Central Laboratory:

Plot No. 20/9, Site IV, Sahibabad Industrial Area, SAHIBABAD 201010

Telephone

8-77 00 32

## Regional Offices:

Central : Manak Bhavan, 9 Bahadur Shah Zafar Marg, NEW DELHI 110002 323 76 17

\*Eastern . 1/14 CIT Scheme VII M, V I P Road, Marikola, CALCUTTA 700054 337 86 62

Northern . SCO 335-336, Sector 34-A, CHANDIGARH 160022 60 38 43

Southern . C I T. Campus, IV Cross Road, CHENNAI 600113 235 23 15

†Western Manakalaya, E9 Behind Marol Telephone Exchange, Andheri (East),  
MUMBAI 400093 832 92 95

## Branch Offices:

'Pushpak', Nurmohamed Shaikh Marg, Khanpur, AHMEDABAD 380001 550 13 48

‡Peenya Industrial Area, 1st Stage, Bangalore - Tumkur Road,  
BANGALORE 560058 839 49 55

Gangotri Complex, 5th Floor, Bhadbhada Road, T T Nagar, BHOPAL 462003 55 40 21

Plot No 62-63, Unit VI, Ganga Nagar, BHUBANESHWAR 751001 40 36 27

Kalaikathir Buildings, 670 Avinashi Road, COMBATORE 641037 21 01 41

Plot No 43, Sector 16 A, Mathura Road, FARIDABAD 121001 8-28 88 01

Savitri Complex, 116 G T Road, GHAZIABAD 201001 8-71 19 96

53/5 Ward No 29, R G Barua Road, 5th By-lane, GUWAHATI 781003 54 11 37

5-8-58C, L N Gupta Marg, Nampally Station Road, HYDERABAD 500001 20 10 83

E-52, Chitaranjan Marg, C-Scheme, JAIPUR 302001 37 29 25

117/418 B, Sarvodaya Nagar, KANPUR 208005 21 68 76

Seth Bhawan, 2nd Floor, Behind Leela Cinema, Naval Kishore Road,  
LUCKNOW 226001 23 89 23

Pattiputra Industrial Estate, PATNA 800013 26 23 05

T C. No. 14/1421, University P. O Palayam,  
THIRUVANANTHAPURAM 695034 6 21 17

NIT Building, Second Floor, Gokulpat Market, NAGPUR 440010 52 51 71

Institution of Engineers ( India ) Building, 1332 Shivaji Nagar, PUNE 411005 32 36 35

---

\*Sales Office is at 5 Chowringhee Approach, P O Princep Street,  
CALCUTTA 700072 27 10 85

†Sales Office is at Novelty Chambers, Grant Road, MUMBAI 400007 309 65 28

‡Sales Office is at 'F' Block, Unity Building, Narashimaraaja Square,  
BANGALORE 560002 222 39 71